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TITLE: ELECTRONIC SEALING DEVICE AND VERIFYING METHOD OF DIGITAL SIGNATURE

PUBN-DATE: November 15, 2002

INVENTOR-INFORMATION:

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MIYAZAKI, KAZUYA

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NAME

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MITSUBISHI ELECTRIC CORP

APPL-NO: JP2001131590

APPL-DATE: April 27, 2001

INT-CL (IPC): G09 C 1/00

ABSTRACT:

PROBLEM TO BE SOLVED: To solve such a problem of a conventional system which uses digital signatures that a user must submit an application to a registration bureau in order to use his or her digital signature and be cleared by the bureau and it is cumbersome for the user.

SOLUTION: Certifying bureau signature object information consists of a public key (31) and attribute information (32 and 33) corresponding to unspecified users. An electronic sealing device (2) stores a public key certificate (22) which includes certifying bureau signatures (37) generated by the bureau for the certifying bureau signature object information and is in a null and void condition and a secret key (21). A user (9) purchases the device (2) at a retail store (8) and the null and void condition of the certificate (22) is canceled by the application of the user.

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